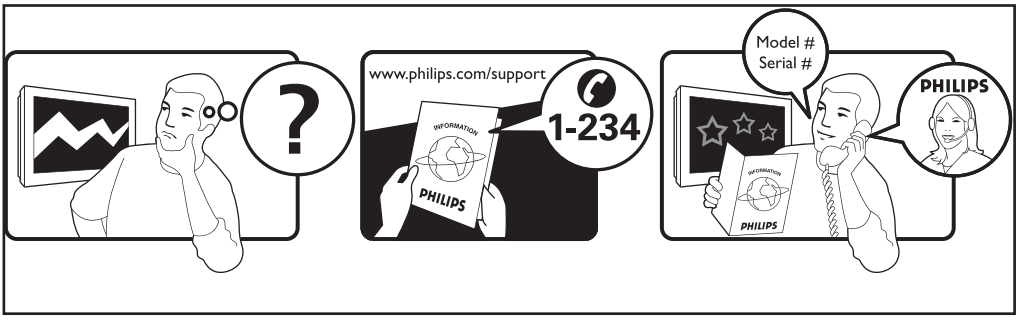
digitalTV

English

PHILIPS



Country	Number	Tariff
Austria	0820 901114	€0.20/min
Belgium	070 222 303	€0.17/min
Denmark	3525 8759	local
Finland	09 2311 3415	local
France	08 9165 0005	€0.23/min
Germany	0180 5 356 767	€0.12/min
Greece	0 0800 3122 1280	free
Ireland	01 601 1777	local
Italy	199 404 041	€0.25/min
Luxemburg	40 6661 5644	local
Netherlands	0900 8407	€0.20/min
Norway	2270 8111	local
Portugal	2 1359 1442	local
Spain	902 888 784	€0.15/min
Sweden	08 5792 9100	local
Switzerland	0844 800 544	local
UK	0906 1010 016	£0.15/min

English

Warning concerning stationary images on the TV screen

A characteristic of Plasma Display Panels is that displaying the same image for a long time can cause a permanent after-image to remain on the screen. This is called phosphor burn in. Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen.

Français

Avertissement concernant les images fixes sur l'écran du TV

Une caractéristique des écrans plasma (PDP) est que l'affichage d'une même image pendant une longue durée peut entraîner une image fantôme persistante à l'écran. Il s'agit du marquage du phosphore à l'écran. Lors d'une utilisation normale, le téléviseur doit afficher des images en perpétuel mouvement et en perpétuel changement qui remplissent l'écran.

Nederlands

Waarschuwing met betrekking tot stilstaande beelden op het TV-scherm

Plasmaschermen hebben als kenmerk dat indien hetzelfde beeld gedurende lange tijd op het scherm blijft, er een permanent nabeeld op het scherm ontstaat, dat ook fosforinbranding wordt genoemd.
Bij een normaal gebruik van de TV bewegen en veranderen de beelden op het scherm voortdurend.

Deustch

Warnhinweise zu Standbildern auf dem Fernsehbildschirm

Wird an einem Plasma-Bildschirm für längere Zeit ein Standbild angezeigt, so besteht die Gefahr, dass ein permanentes Nachbild auf dem Bildschirm entsteht – ein Effekt, der als Phosphor- Einbrennen bezeichnet wird. Bei normalem Gebrauch des Fernsehers sollten daher ständig wechselnde, bewegte Bilder auf dem gesamten Bildschirm angezeigt werden.

Italiano

Avviso riguardante immagini statiche sullo schermo

Una caratteristica dei display al plasma è quello,che se vengono visualizzate immagini statiche per un lungo periodo di tempo, questo può causare una persistenza delle stesse immagini sullo schermo, rimanendo visibili in sottofondo.Questo fenomeno è chiamato phosphor burn in (fosforo bruciato).
Durante il normale funzionamento del TV, vengono visualizzare immagini che contengono movimenti costanti o contenuti di immagine che riempiono lo schermo.

Dansk

Advarsel vedrørende stationære billeder på tv-skærmen

Plasmaskærme har bl.a. den egenskab, at hvis man viser det samme billede i lang tid, kan dette medføre, at et permanent "spøgelses"-billede forbliver på skærmen. Dette kaldes fosforindbrænding.
Normal brug af tv'et indebærer visning af billeder, der konstant bevæger sig, ændrer sig og fylder hele skærmen.

Norsk

Advarsel angående stillestående bilder på TV-skjermen

Et karakteristisk trekk for Plasma Display Panels er at dersom samme bilde vises over lengre tid, kan dette føre til at et permanent etterbilde blir igjen på skjermen. Dette fenomenet kalles fosforinnbrenning ('phosphor burn-in'). Ved normal bruk av TV-apparatet bør man vise bilder som beveger og endrer seg konstant og som dessuten fyller skjermen.

Svenska

Varning för permanenta efterbilder på TV-skärmen

En egenhet med plasmaskärmar är att om samma bild visas på skärmen under en längre tid så kan det ge uphov till att en permanent efterbild blir kvar på skärmen. Det kallas för fosfor-inbränning.
Vid normal användning av TV:n visas bilder som innehåller konstant rörliga och föränderliga bildsekvenser som fyller skärmen.

Suomi

Varoitus kuvaruudussa paikallaan olevista kuvista

Plasmanäytöille on ominaista, että saman kuvan näyttäminen pitkän aikaa voi aiheuttaa sen, että jälkikuva jää pysyvästi kuvaruutuun. Tätä kutsutaan kuvan kiinnipalamiseksi.Television normaalissa käytössä kuvaruudussa näkyvien kuvien tulisi liikkua ja vaihtua jatkuvasti.

Особенности отображения неподвижного изображения на экране

Русский

Характеристики плазменной панели таковы, что при длительном отображении на экране статичного изображения возможно появление т.н. «остаточных явлений» в виде цветовых пятен на экране. Этот эффект называют «выжигом люминофора». Штатная работа телевизора предполагает показ постоянно движущегося и меняющегося изображения.

Alerta concerniente a las imágenes que se pueden quedar marcadas en la pantalla del TV

Español

Es característico de las Pantallas de Plasma que cuando se muestra una imagen fija durante mucho tiempo se puede quedar la imagen marcada en la pantalla. Esto se llama quemado del del fósforo. El uso normal de los TV supone reproducir imágenes que contienen constantes movimientos e imágenes cambiantes que rellenan la pantalla.

Aviso sobre imagens paradas no ecrã do TV

Português

Uma característica dos Painéis Plasma é que a visualização de uma mesma imagem durante muito tempo poderá provocar uma sombra permanente que se fixa no ecrã. É o chamado efeito de fosforescência. O uso normal do TV deverá envolver a visualização de imagens que tenham movimento e mudança constantes que preencham o ecrã.

Προειδοποίηση σχετικά με την προβολή ακίνητων εικόνων στην οθόνη της τηλεόρασης

Ελληνικα

Ενα χαρακτηριστικό των Οθονών Πλάσματος είναι ότι η προβολή της ίδιας εικόνας για μεγάλο χρονικό διάστημα μπορεί να προκαλέσει την εμφάνιση ενός μόνιμου μετεικάσματος (“after-image”), το οποίο παραμένει στην οθόνη. Αυτό ονομάζεται φθορά της φθορίζουσας επιφάνειας της οθόνης (“phosphor burn in”). Η συνήθης χρήση της τηλεόρασης αφορά την εμφάνιση οπτικών απεικονίσεων, οι οποίες περιέχουν διαρκώς κινούμενες και μεταβαλλόμενες εικόνες που γεμίζουν την οθόνη.

TV ekranındaki sabit görüntülerle ilgili uyarı

Türkçe

Plasma Ekranlar, bir görüntüyü uzun bir süre gösterdikleri takdirde ekranda görüntü izinin kalmasına sebep olabilir. Buna fosfor yanma denir. TV’nin normal kullanımı, ekranı dolduran sürekli hareket eden ve değişen görüntüleri içermelidir.

Figyelmeztetés a képernyőn folyamatosan jelenlévő képrészletekkel kapcsolatosan

Magyar

Plasmaskærme har bl.a. den egenskab, at hvis man viser det samme billede i lang tid, kan dette medføre, at et permanent “spøgelses”-billede forbliver på skærmen. Dette kaldes fosforindbrænding.
Normal brug af tv’et indebærer visning af billeder, der konstant bevæger sig, ændrer sig og fylder hele skærmen.

Ostrzeżenie co do nieruchomych obrazów na ekranie telewizora

Polski

Charakterystyczną cechą paneli plazmowych jest to, że wyświetlanie przez dłuższy czas tego samego obrazu może spowodować trwały obraz pozostały na ekranie.To się nazywa starzeniem. Normalnie użytkowany telewizor powinien pokazywać stale poruszające się i zmieniające się obrazy wypełniające ekran.

Upozornění na statické obrázky na obrazovce

Česky

Pokud je na plazmovém panelu zobrazen stejný obrázek po dlouhou dobu může tento obrázek zůstat být viditelný i po jeho vypnutí.Tento jev nazýváme “vyčerpání luminoforů”. Při běžném použití televizoru s plazmovým panelem se obrázky neustále mění a jejich obsah se pohybuje.

Varovanie týkajúce sa statických obrázkov na TV obrazovke

Slovenský

Charakteristickou vlastnosťou plazmových obrazoviek je, že dlhodobé zobrazenie nemeniaceho sa obrazu môže spôsobiť jeho následné permanentné zotrvanie na obrazovke. Jedná sa o tzv. “vypálenie luminofóru”. Štandardné použitie TV predpokladá zobrazovanie neustále sa pohybujúceho a meniaceho sa obrazu na obrazovke.

Introduction

Thank you for purchasing this television set. This handbook has been designed to help you install and operate your TV set. We strongly recommend that you read it thoroughly.

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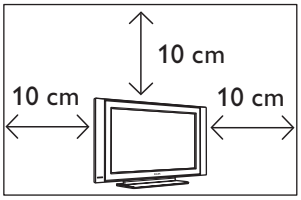
Recycling

The packaging of this product is intended to be recycled. Apply to the local authorities for correct disposal.

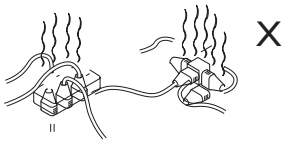
Disposal of your old product

Your product is designed and manufactured with highly quality material and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/976/EC.
Please inform yourself about the local seperate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your product will help prevent potential negative consequences for the environment and human health.

Safety Information

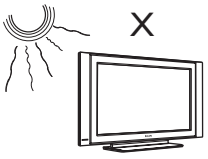


Leave at least 10 cm around each side of the TV set to allow for proper ventilation. Place the set on a stable, level surface. Never cover the ventilation slots of the TV with a cloth or other material. It may cause overheating. Do not insert anything in the ventilation holes. If metal or something flammable is inserted in these holes, it may result in fire or electric shock.

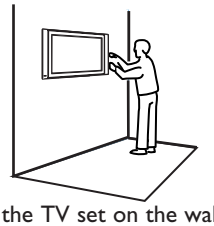


Take care not to connect too many equipment to the same mains socket as it may cause overloading resulting in fire or electric shock.

To prevent fire or shock hazard, do not expose your TV to rain or moisture.

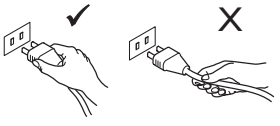


Avoid placing your TV set under direct sunlight or heat.

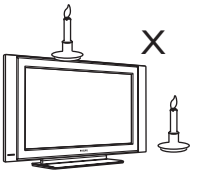


Installation of the TV set on the wall should be carried out by qualified serviceman. Improper and incorrect installation may render the set unsafe.

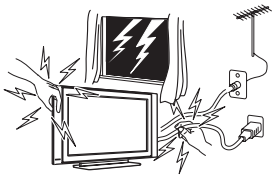
When cleaning the surface or the screen of the set, wipe gently with absorbent cotton or cloth or other soft material like chamois. Do not use too wet a cloth which is dripping with water. Do not use acetone, toulene or alcohol to clean the TV. As a safety precaution, unplug the power cord from the mains.



Pull the power lead by the plug. Do not pull on the power lead. Do not use a poor fitting mains socket. Insert the plug fully into the mains. If it is loose, it may cause arching and result in fire.



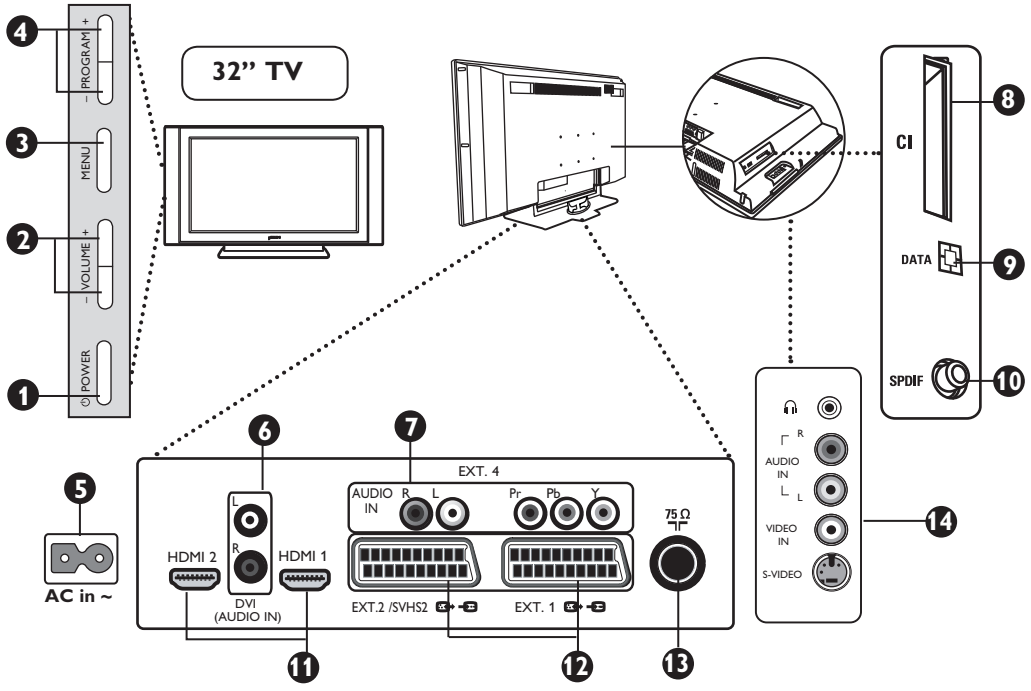
No naked flame sources (lighted candles) should be placed on the top of the set or near it.

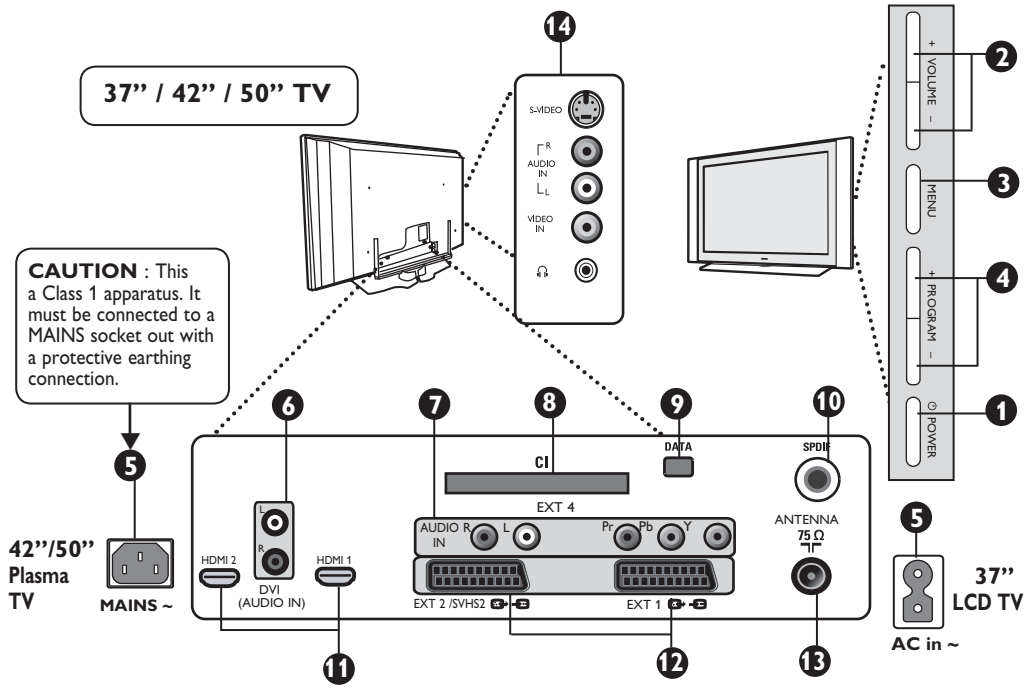


As a safety precaution,do not touch any part of the TV, power lead or aerial lead during lightning storms.

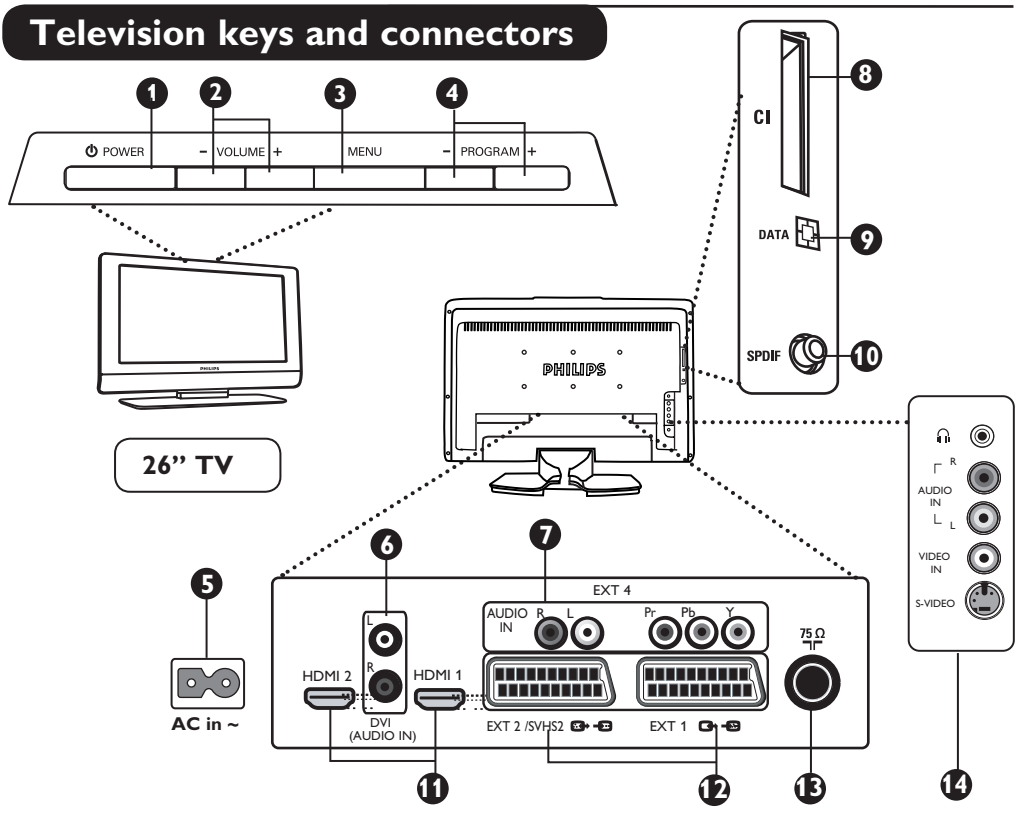
Avoid placing vase filled with water on the TV. Water spilled into the set could result in electric shock. Do not operate set if water is spilled into it. Have it checked immediately by a qualified serviceman.

Television keys and connectors





Television keys and connectors



1. **POWER** ⏻ : to switch the TV on and off. The power remains on even when the Power switch is turned off.
2. **VOLUME –/+**: to adjust sound level.
3. **MENU** : to access or close menus. The PROGRAM –/+ keys can be used to select a menu item and the VOLUME – / + key to enter into the selected menu item and make adjustments.
4. **PROGRAM / CHANNEL –/+** : to select programmes.
5. **POWER** socket : Insert the mains plug into a wall socket.
6. **DVI Audio Input** : for connecting a HD (high definition) equipment or computer with DVI output.
7. **Component Video Inputs / Audio Inputs :** to connect to equipment like DVD, Set-top box which have the same sockets. Connect the audio inputs of the TV to the outputs of the device together with the Component Video Inputs.
8. **CI** (Common Interface) slot : to connect a CAM (Conditional Access Module) and a smartcard.
9. **DATA** socket : for Service use only.
10. **SPDIF** socket : to connect to an amplifier with coaxial digital input (only available in Digital Mode).
11. **HDMI 1 /HDMI 2** sockets : to connect to set-top boxes, DVD player/recorder, High Definition receiver/equipment or Personal Computer.
12. **EXT1** and **EXT2** socket : connect to equipment like DVD player/recorder, VCR, Decoder box which have scart connections.

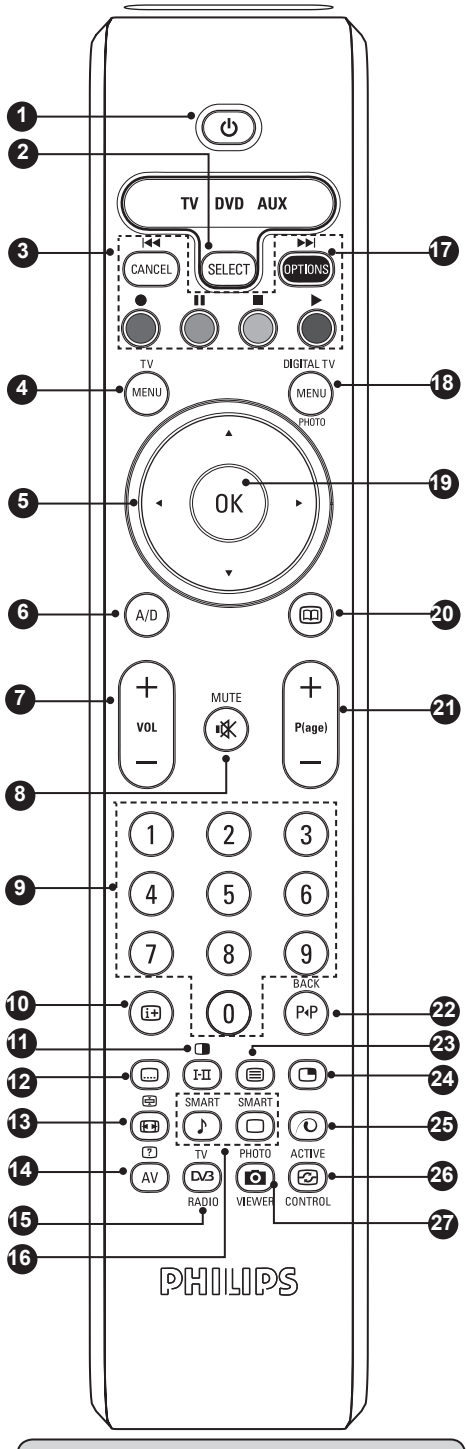
Important : In order to connect your decoder box , please use **EXT1** scart only.

13. **TV Aerial** socket : Insert the aerial plug into the 75 Ω ⌐╥ (TV antenna) socket .
14. **Side** connections : for connecting to devices like video camera or camcorder. Also allows you to connect your headphone for your personal listening pleasure.

NOTE

For more details on connections, see CONNECTION GUIDE.

Remote Control keys



* The signal strength indicator shows the signal strength of the transmission of the programme you are watching.

1 Standby
To set the TV to standby mode. To switch the TV set on again, press , 0 to 9 or the + P(age) – key.

2 Mode selector SELECT
To activate the remote control in TV, DVD or AUX mode (see page 6).

3 Cancel CANCEL
In digital mode, it functions as an exit key for MHEG teletext when no coloured key links are available to exit teletext mode.

4 TV menu TV MENU
To display or edit from the analogue menus.

5 Cursor ◄ ► ▲ ▼
These 4 keys are used to move within the menu or to directly access the screen formats.

6 Analogue or Digital mode A/D
To switch the television between analogue and digital mode.

7 Volume + / –
To adjust the sound level.

8 Mute
To disable or enable the sound.

9 Numerical keys
For direct access to programmes. For a 2 (3) digit programme number, the second (third) digit must be entered before the dash disappears. The number, the name (and the sound mode, in analogue mode) are displayed for a few seconds.

10 Screen information
In **digital** mode, press the key once to display the information banner and the second time to exit information banner (see page 11).
In **analogue** mode, display/remove the programme number, the sound mode, the remaining time of the sleeptimer and the *signal strength indicator.

11 Teletext / Sound mode I-II
In **teletext** mode, it functions as a teletext key (see pages 27-28).
In **TV** mode, it is used to force programmes in **Stereo** and **Nicam Stereo** to **Mono** or, for bilingual programmes, to choose between **Dual I** or **Dual II**. *The* **Mono** *indication is red when in forced position.*

12 Subtitle mode
In **digital** mode, it activates or deactivates the subtitle mode.

Remote Control keys

13 **Teletext / Screen Format**
In **teletext** mode, it functions as a teletext key (see pages 27-28).
In **TV** mode, it is used to access different screen formats (see page 25).

14 **AV /Teletext** (AV)
In **teletext** mode, it functions as a teletext key (see page 27-28).
In **TV** mode, it is used to display the Source list to select TV or peripheral equipment connected to EXT1, EXT2/SVHS2, EXT3/SVHS3, EXT 4, HDMI 1, HDMI 2 or switch to Digital TV.

15 **Digital TV / Radio** (TV DVB RADIO)
In digital mode, it is used to access digital radio stations. Press the **OK** key to access radio list.
Note : To return to digital video mode, press the **Dgital TV / Radio** *key again.*

16 **Smart Picture / Sound** (SMART SMART)
Accesses a series of picture and sound settings. (see page 26).

17 **Options / DVD/AUX** (OPTIONS)
For Options function, see page 15.
For DVD / AUX function, see page 6.

18 **Digital menu** (MENU DIGITAL)
To display or exit from the digital menu (when TV is in digital mode).

19 **OK** (OK)
Confirms selection. Also access program list in Digital mode.

20 **TV Guide** (See page 16).

21 **Programme selection**
To access the next or previous programme (or page in digital menu.

22 **Alternate channel / Edit or back space** (BACK P↩P)
In **Analogue/Digital** mode, it allows you to alternate the previously viewed programme and the current programme.
It also used as an edit or back space key when you are naming your favourite channel (see page 14 for digital mode and page 21 for anlaogue mode).

23 **Teletext On / Off** (See pages 27-28).

24 **PIP on/off**
Display PIP screen on TV. Subsequent pressing of the key changes size of the window (see page 24).

25 **Pixel +**
Offers a unique combination of ultimate sharpness, increased depth impression, true natural detail, brilliant and vivid colours. Press the key for a Pixel + demonstration.

26 **Active control** (ACTIVE CONTROL)
Optimises the picture quality depending on the quality of the incoming signal and ambient light conditions (see page 26).

27 **Photo viewer** (PHOTO VIEWER)
Unused key.

Remote Control keys (DVD or AUX)

Press the (SELECT) (SELECT) key to select the required mode : DVD or AUX (amplifier). The remote control indicator lights up to display the selected mode. The remote control automatically returns to TV mode. **NOTE : Functions not available to Philips DVD-R device.**
The following keys are operational depending on the equipment :

- standby
- fast rewind
- fast forward
- recording
- pause
- stop
- play
- display menu
- confirm selection/adjustment
- fast forward
- navigation and adjustment of menu items
- digit keys for direct program selection
- program selection
- audio selection
- exit menu

What is Digital Television?

Digital Television offers a far wider choice of TV viewing, free from the interference that you may experience on analogue TV. It promises to transform television viewing into a whole new experience. There is a greater selection of widescreen programming . Many of your favourite programmes are in widescreen on the digital channels - something the analogue TV cannot do properly.

There is new whole experience of interactivity on digital TV. By using your remote control, you can access all kinds of information like the digital text which is much clearer than the old teletext system. It gives you the added enjoyment of related information running alongside the programme you are watching. You can also access an Electronic Programme Guide that provides you with a quick and easy way to view a complete list of digital programmes as you would in a newspaper or TV magazine.

Digital or Analogue channels

When the television is powered on for the first time, it will always be in **DIGITAL** mode.
To receive TV channels, your television is equipped with 2 tuners. One is for digital channels, the other is for analogue channels. Use the (A/D) key of the remote control to switch the TV between analogue and digital mode. Use the **P(age) +/–** or (0) to (9) keys to select channels.

Overview of Digital main menu and sub-menus

❶ Use the (A/D) key of the remote control to select Digital mode.

❷ From the digital mode, press the (DIGITAL TV MENU) key to display the setup menu.

❸ Use the ▲ ▼ ◄ ► keys to navigate, select and adjust menu items.

Setup

- **Favourites**
  - **List 1**
    - Name
    - Select TV channels.
    - Select Radio stations.
    - Add all services
    - Remove all services
  - **List 2**
    - Name
    - Select TV channels.
    - Select Radio stations.
    - Add all services
    - Remove all services
  - **List 3**
    - Name
    - Select TV channels.
    - Select Radio stations.
    - Add all services
    - Remove all services
  - **List 4**
    - Name
    - Select TV channels.
    - Select Radio stations.
    - Add all services
    - Remove all services

Overview of Digital main menu and sub-menus

Setup

	Type of Selection
Preferences	
Language	
Audio Subtitle/Teletext	Basque, Catalan, Croatian, Czech, Danish, Dutch, English, Finnish, French, Gaelic, Gallegan, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Russian, Serb, Slovak, Spanish, Swedish, Turkish, Welsh
Subtitling Mode	On, Off, Auto
Subtitles for hearing impaired	Yes, No
System	Cesky, Deutsch, English, Español, Français, Italiano, Magyar, Norski, Polski, Portugués Suomi, Svenska
Location	
Country	Australia, Austria, Belgium, Czech, Denmark, Finland, France, Germany, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, United Kingdom
Time zone	
Digital Audio Output	PCM/MPEG, AC3 PCM, MPEG
Information	
System software	
Current software version	
Always accept new software	Yes, No
Access restrictions	
Set pin protection	On, Off
Maturity rating	
TV channels	
Radio stations	
Change pin code	

Overview of Digital main menu and sub-menus

- **Setup**
  - **Installation**
    - **Service lists**
      - Rearrange services
      - View new TV channels.
      - Listen to new Radio Stations.
    - **Service setup**
      - Add new services
        - Search
        - TV channels found.
        - Radio station found.
        - Other services found.
        - Store
        - Discard
      - Reinstall all services
        - Search
        - TV channels found.
        - Radio station found.
        - Other services found.
        - Store
        - Discard
    - **Test reception**
      - Frequency
      - Network name
      - Signal quality
      - Signal strength

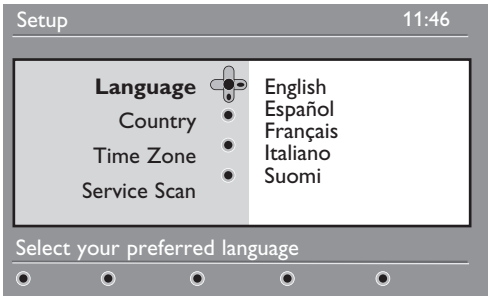
Switch on for the first time

* The first time the TV set is switched on, a congratulation message will appear on screen. The language of which changes every 5 seconds. If the message is not displayed, press and hold down the **MENU** key on the side of the TV set for 5 seconds to display the message.

* *Only available on certain versions.*

PHILIPS
Congratulations for selecting this Philips television.
Press OK to start enjoying your digital television.
OK

❶ Press the (OK) key on the remote control, the moment your prefered language is visible on the screen.The Setup menu is displayed :



❷ With the cursor keys, select **Language**, **Country** or **Time Zone** and check if the adjustment is according to your preferences. If necessary, use the cursor keys to make your adjustment and press (OK) key to exit. **CAUTION** *: if you select a wrong country, the channel numbering will not be according to the standard for your country and you may not receive all services or nothing at all. Note that the Language can be selected independently from the Country.*

❸ Select **Service Scan** from the menu and press (OK) key to start the installation. The service scan menu is displayed. All the digital and analogue programmes are searched for and stored automatically. When the search is complete, the menu will indicate the number of digital services and analogue programmes found.

❹ Press the (OK) key twice to start watching TV. The television then displays the current program. The installation is now complete.

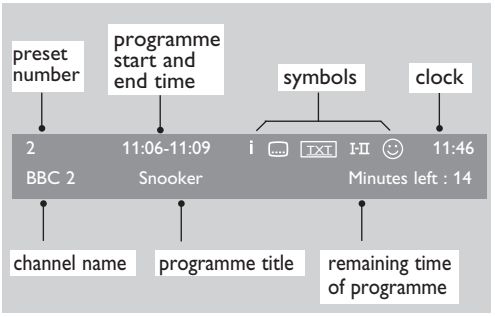
NOTE : If at some point of time you decide to reset to the factory default settings, press and hold down the **MENU** key on the side of the TV set for 5 seconds. A congratulation message will appear on screen. Repeat steps 1 - 5 as if this was the first time you have turned on the TV.

This activity will reset both the Digital and Analogue mode to factory default settings.

Understanding the information on the banner

When you select a digital programme, an information banner is displayed for a few seconds at the top of the screen.

Banner description



The banner contains information on the preset number, channel name, programme duration, transmission clock, programme title and the time remaining of the current programme.

Symbols description :

i More information about this programme is available : press the i+ key once to display and the second time or remove it.

Subtitling is available : if you want to display them, press the key or the OPTIONS key to access the options menu and select subtitles.

TXT Indicates Analogue Teletext is available in Digital mode.

I-II Other audio languages are availables and can be selected in the options menu.

☺ The selected Favourite list is displayed in the one of the colour (red, green, yellow or blue) of the activated list.

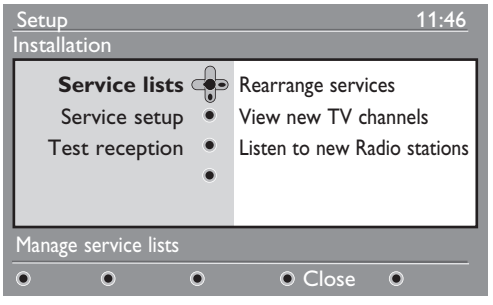
Note : *A white colour ☺ will appear if the programme is stored in one or more of the favourite list which is currently not activated.*

Rearrange services

This menu allows you to change the order of the stored digital channels and radio stations.

❶ From the digital mode, press the DIGITAL TV MENU key to display the setup menu.

❷ Use the ▼ key to select **Installation** and press ▶ twice to select the **Service lists** menu.



❸ Use the ▲ ▼ keys to select **Rearrange services** and press ▶ key.

❹ Use the ▲ ▼ keys to select the channel you want to exchange.

❺ Press OK to activate.
If you want to uninstall the selected channel, press the **red** key.

❻ Select (▲ ▼) the new channel number you want to exchange it with.

❼ Press OK key to confirm. The exchange is done.

❽ Repeat the operations ❹ to ❼ until all the channels are in the required order.

❾ To return to previous menu, press the ◀ key.

❿ Press the DIGITAL TV MENU key to exit the menu.

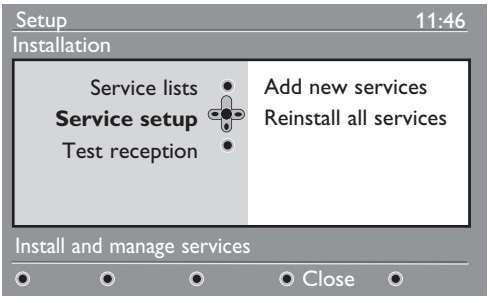
View or Listen to new services

This menu allows you to check the availability of new TV channels or new radio stations that have been launched by the broadcaster after the initial installation.

1. From the digital mode, press the DIGITAL TV MENU key to display the setup menu.
2. Use the ▼ key to select **Installation** and press ▶ twice to select the **Service lists** menu.
3. Use the ▲ ▼ keys to select **View new TV channels** or **Listen to new Radio station**.
4. If new services are availables, press ▶ to enter into the list and use the ▲ ▼ keys to move through the list.
5. To return to previous menu, press the ◀ key.
6. Press the DIGITAL TV MENU key to exit the menu.

Add new services

This menu allows you to search for new TV channels or radio stations that have been launched by the broadcaster after the initial installation.

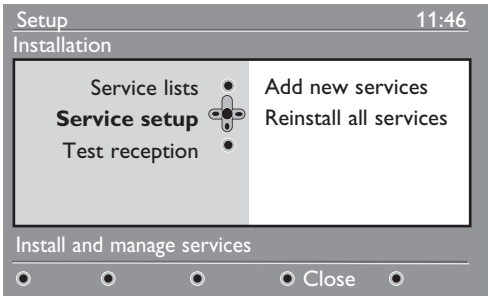


1. From the digital mode, press the DIGITAL TV MENU key to display the setup menu.
2. Use the ▼ key to select installation and press ▶ key.
3. Select **Service setup** (▼) and press ▶ key.
4. Press ▶ to add new services and press OK key to activate the installation.
   The search begins and only new channels will be stored and added to the channel list menu. The percentage of the installation that has been completed and the number of channels found is displayed. (When the search is completed, press the OK key to accept the new services.
5. To return to previous menu, press the ◀ key.
6. Press the DIGITAL TV MENU key to exit the menu.

Reinstall all services

This menu allows you to reinstall all the digital TV channels and radio stations.

1. From the digital mode, press the DIGITAL TV MENU key to display the setup menu.

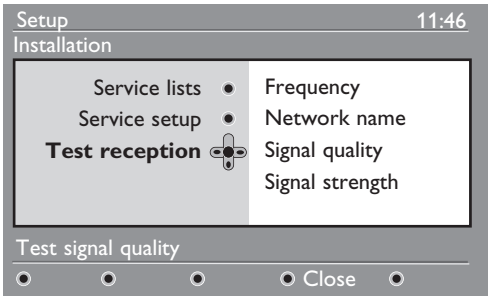


2. Use the ▼ key to select installation and press ▶ key.
3. Select **Service setup** (▼) and press ▶ key.
4. Select **Reinstall all services** (▼) and press ▶ key.
5. Press OK key to start the installation.
   A search is then made for all digital services which are then stored automatically.
   When the search is completed, the menu will indicate the number of digital services found.
6. When the search is complete, press OK key to store the services.
7. To return to previous menu, press the ◀ key.
8. Press the DIGITAL TV MENU key to exit the menu.

Test reception

This menu allows you to check the strengh of the signal you are receiving through your aerial.

1. From the digital mode, press the DIGITAL TV MENU key to display the setup menu.
2. Use the ▼ key to select installation and press ▶ key to display the installation menu.



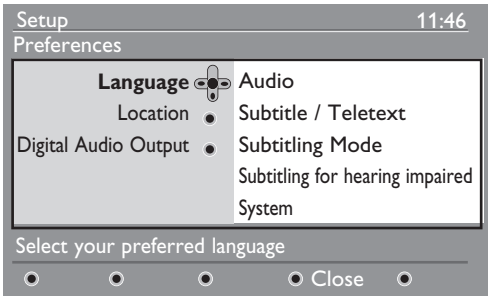
3. Use the ▼ key to select **Test reception** and press ▶ key. You obtain an indication of the actual programme frequency, the network name, the signal quality and strength.
4. Use the ▶ key to enter the Frequency slot and use the 0 to 9 keys to enter the frequency of the digital channel you want to test. Use the ▶ key to move to the next character space. Your TV magazine can provide the list of digital channel numbers. *Refer to the frequency table on page 34.*

   If after keying the frequency, the reception is still poor, you can try improving, renewing, adjusting or updating the aerial. It is however advisable to contact a specialised aerial installer in order to achieve best results.
5. After entering the frequency, use the OK key to exit Frequency slot.
6. To return to previous menu, press the ◀ key.
7. Press the DIGITAL TV MENU key to exit the menu.

Language and location preferences

This menu allows you to select your preferred language for audio, subtitle, teletext and menu and make changes to the location (country and time zone).

1. From the digital mode, press the DIGITAL TV MENU key to display the setup menu.
2. Use the ▼ key to select **Preferences** and press ▶ key.



3. Select Language, Location or Digital Audio Output (▼) and press ▶ key.
4. Use the ▲ ▼ keys to select a setting and press ▶ key to enter into the sub-menu. Make your adjustment and press OK key or ◀ key to exit.

Language default settings

- **Audio** : to select the audio sound language.
- **Subtitle/Teletext** : to select the subtitle/teletext language.
- **Subtitling mode** : off, on or auto (subtitle only displayed in case of original audio transmission).
- **Subtitles for hearing impaired** : to activate or deactivate the specific subtitle for hearing impaired (if made available by the broadcaster).
- **System** : to select the menu language.

Location settings

- **Country** : to select the country where you are located. ***CAUTION*** *: if you select a wrong country, the channel numbering will not be according to the standard for your country and you may not receive all services or nothing at all. Note that the Language can be selected independently from the Country.*
- **Time zone** : to select the time zone where you are located.

Digital Audio Output settings

To select AC3 (if the amplifier supports the Dolby Digital format) or PCM/MPEG (if it does not support Dolby Digital format).

Note : If you select AC3 sound, you must have your TV connected to a Home Theatre System or amplifier. In this mode, no sound will be heard from the TV speakers only.

5. To return to previous menu, press the ◀ key.
6. Press the DIGITAL TV MENU key to exit the menu.

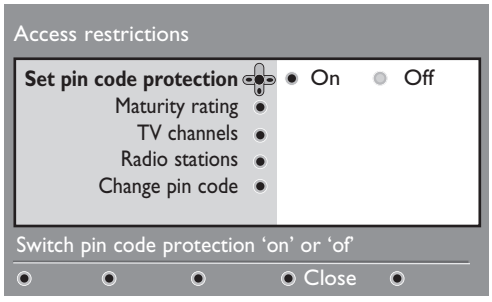
Access restrictions

This menu allows you to setup the access restrictions of the digital channels.

❶ From the digital mode, press the DIGITAL TV MENU key to display the setup menu.

❷ Use the ▼ key to select **Access restriction** and press ▶ key.

❸ Press the ▶ key to enter into the **Set pin** code protection menu.



❹ Use the ◄ ▶ keys to set to On option and press OK key to exit.You can then access the other adjustments :
Warning : the moment you use any kind of access restriction, you need to fill in the pin code when you schedule a programme for recording.

- **Maturity rating** : select your preferred rating to lock the channel.
  Maturity rating will only block certain programmes if the broadcaster provides data with the programme.
- **TV channels** : select the TV channel you want to lock and press OK key.
- **Radio station** : select the radio station you want to lock and press OK key
- **Change pin code** : press ▶ keyto enter in the menu. Follow the on-screen instruction to change your access code.
  The default pin code is 1234. If you have forgotten your personal code, you can reset to the default pin code (1234) by enter the universal code 0711.

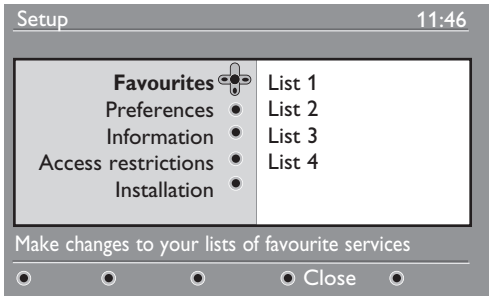
❺ To return to previous menu, press the ◄ key.

❻ Press the DIGITAL TV MENU key to exit the menu.
The TV is equipped with a Common Interface (CI) slot (see page 19). A CI module can enable additional services, for example Pay TV.
The Access Restrictions menu will show the CI Access Restrictions when a CI module is installed. The CI module is responsible for the messages and texts on screen. In case of failure or strange behaviour, you must call your CI service provider.

Setting up your favourite list

This menu enables you to create a favourite list with your prefered TV channels and radio stations. For example, each member of your family can create his/her own favourite list.

❶ From the digital mode, press the DIGITAL TV MENU key to display the setup menu.



❷ Press ▶ to enter into the favourites list menu. You have the choice to create 4 different favourite lists.

❸ Use the ▲ ▼ keys to select your **Favourite** list : **List 1, List 2, List 3** or **List 4** and press ▶ key.

❹ Use the ▲ ▼ keys to select a setting and press ▶ key to enter into the sub-menu.

- **Name** : use the ◄ ▶ keys to move around the name display area (16 characters) and the – P(age) + keys to select the characters. When the name has been entered, press OK key to exit.
- **Select TV channels** : use the ▲ ▼ keys to select your favourite TV channels and confirm with OK key. Press ◄ key to exit.
- **Select radio stations** : use the ▲ ▼ keys to select your favourite radio station and confirm with OK key. Press ◄ key to exit.
- **Add all services** : press OK key if you want to add all the service into your favourite list.
- **Remove all services** : press OK key if you want to remove all the service from your favourite list.

❺ To return to previous menu, press the ◄ key.

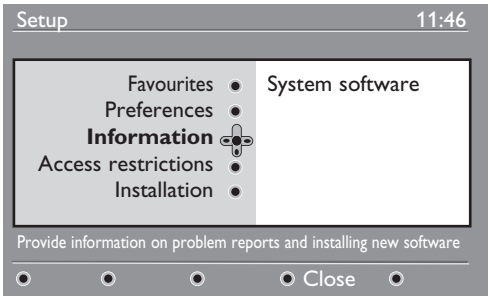
❻ Press the DIGITAL TV MENU key to exit the menu.
Your favourite list can be selected via the options menu (see next page).

Information

This menu provides information about the software version and the installation of new software.

❶ From the digital mode, press the DIGITAL TV MENU key to display the setup menu.

❷ Use the ▼ key to select information and press ▶ key twice.



The software version is displayed.

❸ Use the ▶ key to enter the selection mode.

❹ Use the ◀ ▶ keys to select **Yes** or **No** mode. You can activate the menu to automatically accept any software update of your digital TV. Normally the product will detect if an update is available while it is in standby mode. Next time the television is turned on a message will appear on the screen indicating new software is available. Selecting the OK key activates the software download.

The software download menu will give a description of the software together with the date and time of the download. This may update certain menus, functions or add new features, but the general way in which the TV operate will not change. Once accepted the download will take place at the designated time and date.
Note : The TV must be put into standby when the download is due in order for it to take place.

Off Air Downloading of new software

Whenever a new software is available, it is advisable to always accept and download the software.

- In case new software is available, you will see a message when you switch on the TV. A message indicating the date and the duration of download is indicated in the menu. Press the OK key to proceed. **Important** : Leave your TV in standby to allow upgrade to take place. Do not power on your main switch.
- If a problem occurred during the download of the new software, you will be informed of the next scheduled software download. Press the OK key to proceed to use your TV normally.
- If download is successful, a congratulatory message will appear. Press the OK key to accept. New software and upgrade instructions may be obtained from the website : www.philips.com/

❺ To return to previous menu, press the ◀ key.

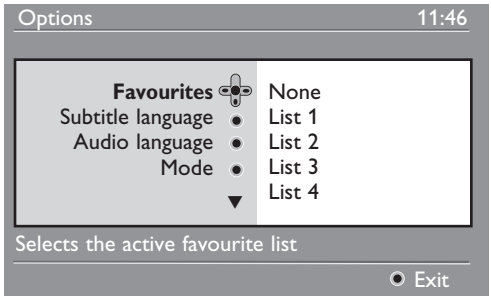
❻ Press the DIGITAL TV MENU key to exit the menu.

Using the Options menu

This menu gives you direct access to the: favourite list, the language selection and some other selections.

❶ From the digital mode, press the white OPTIONS **OPTIONS** key to display the options menu.

❷ Use the ▲ ▼ keys to select a setting and press ▶ key to enter the sub-menu.



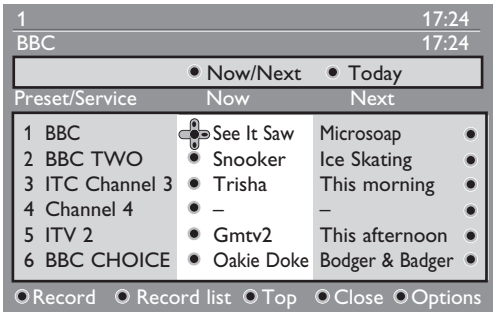
- **Favourites** : use the ▲ ▼ keys to select your favourite list and confirm with OK key.
  The "none" option deactivate any favourite list.
  To create your own favourite list, see page 14.
- **Subtitle language** : use the ▲ ▼ keys to temporarily change the language and confirm with OK key.
- **Audio language** : to temporarily change the audio sound language.
  To permanently change the audio and subtitle languages, use the Preferences menu (p. 13).
- **Mode** : you can choose to only have radio stations, TV channels or services without audio or video.
  Remark : for the UK only, the TV list will contain both radio stations and TV channels.
- **Banner duration** : to select the duration for which the banner is visible.

❸ Press the white OPTIONS **OPTIONS** key to exit the menu.

TV guide

The TV guide is an Electronic Programme Guide that provides you with a quick and easy way to view a complete list of digital programmes as you would in a newspaper or TV magazine. You can navigate through the list of digital programmes and obtain detailed information on the programmes. You can also program the TV to provide a digital channel to be recorded.

❶ From the digital mode, press the (📖) key to display the TV guide :



A list of all the digital programmes in the currently selected favourite list is displayed.

❷ Use the ▼ key to enter into the **Preset/service** list or press ▶ key to access **Today** list.

❸ Use the ◀ ▶ keys to select a programme.

❹ The TV guide features are displayed at the bottom of the screen. Use the coloured keys red, green, yellow, blue or white to activate them.

- **Record** (red key) : this feature enables you to record a digital channel even the TV is in standby mode. You will still have to programme your video recorder. If you wish to continue watching another digital channel after setting a timer, you can do so by changing channels in the normal way.

  If your recorder supports *pin 8 recording, switch your recorder to that mode.

*Pin 8 recording refers to the technique of using the pin 8 signal on a Scart cable (normally used to indicate the presence of a signal for display on the TV) connected between an idTV/Set-top box and a VCR, to switch the recorder into record mode. The pin 8 signal effectively acts as a record on/off switch, whilst additionally signalling thes aspect ratio of the video signal carried on the cable.

IMPORTANT *: In digital mode, if you change the channel when recording starts, a message will appear on the screen to confirm whether you want to stop recording. Select* **Yes** *if you want to stop recording. The TV will switch to the channel you have changed. If you select* **No***, the TV will record the last channel you have selected. During recording, you are unable to access the Digital menu. If you press the (MENU DIGITAL) key, the same message will appear when you change the channel when recording starts.*

- **Record list** (green key) : this menu gives the list of recording schedules.You can check, modify, delete or add a new schedule by using the cursor or coloured keys as indicated on the screen.

- **Top** (yellow key) : to go directly to the top of the list.

- **Close** (blue key) : to exit from the TV guide.

- **Options** (white ▶▶ key) : with this menu, you can select your favourite list, mode or themes. Themes are areas of interest, you can for example, decide to display only : drama, news, movie, ...

❺ Press the (i+) key if you want to display more information about the selected programme (if available).

❻ Press the (📖) key to exit the menu.

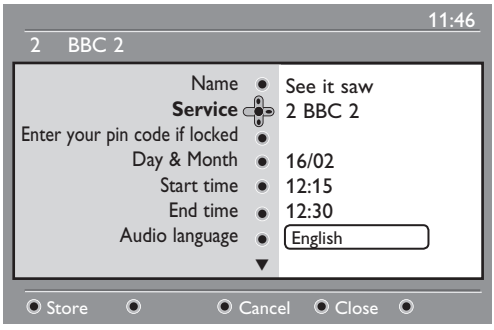
Recording function

This feature enables you to record a digital channel while the TV is in standby mode. You will still have to programme your video recorder. If you wish to continue watching another digital channel after setting a timer, you can do so by changing channels in the normal way.
IMPORTANT : The video recorder must be connected to EXT2/SVHS2. Please note that it is NOT possible to record one digital channel and watch another digital channel at the same time. You can however record a digital channel and watch an analogue channel on your TV, or vice versa.

❶ From the digital mode, press the (📖) key to display the TV guide.

❷ Use the ▼ key to enter into the **Preset/service** list or press ▶ key to access **Today** list.

❸ Press the **RED** key to call up the **Record** menu.



❹ Use the ▲ ▼ keys to select a setting and press ▶ to enter into the sub-menu. Make your adjustment and press (OK) key or ◀ key to exit.

- **Name** : the selected programme will be displayed here.
- **Service** : you can change the number of the programme you want to record. Press (OK) key to confirm.
  Note : it is only possible to change to a number that is in the currently selected favourite list.
- **Enter your pin code if locked** : enter your secret code only if you have activated the access restriction feature (see page 14). Press (OK) key to confirm.
- **Day & Month** : enter the date by using the or **– P(age) +** keys. Press (OK) key to exit
- **Start time** : enter the start time.
- **End time** : enter the end time.
- **Audio language** : select your language and confirm with (OK) key.
- **Subtitle language** : make your selection and confirm with (OK) key.
- **Subtitles for hearing impaired** : select **Yes** or **No** and confirm with (OK) key.
- **Occurrence** : select **Once**, **Daily** or **Weekly** and confirm with (OK) key.

❺ Press the **RED** key to store your recording. The TV guide reappears.
You can press the **GREEN** key to display the list of recordings you have set.

❻ If you have finished watching television, you must leave it in standby in order for the recording programme to be activated.

IMPORTANT *: never switch off the TV with the power button when a recording has been programmed, but use the (⏻) key on the remote control. If not, all the recordings will be lost.*

❼ If you wish to continue watching another digital channel after setting a timer, you can do so by changing channels in the normal way.
Important : In digital mode, if you change the channel when the recording starts, the TV will record the last channel. you have selected.

❽ If you are watching another digital channel when the timer is due to start, the timer alarm will sound and present you with the option of switching channels or continuing to watch the current channel.

❾ You can also watch analogue channels while recording digital channels. Press the (A/D) key to switch the TV to analogue mode.

Digital Teletext (MHEG)

Available in U.K. only

Digital teletext services differ greatly from analogue teletext. When you switch to a Digital teletext service, the images you see contain graphics and text which are laid out and controlled in a manner decided by the broadcaster. Some digital channels, which you select like any other channel, offer dedicated teletext services . Some digital channels also offer information on the programme being broadcast (a message or an instruction may appear on the screen).

1. To use the digital teletext, follow the instructions on screen.
2. Depending on the service, you can be asked to use the ◄ ► ▲ ▼ (cursor keys), ● ● ● ● (coloured keys), (Teletext On/Off key) and sometimes the 0/9 numerical keys.

   Note : If no coloured key links are not available in the Digital Teletext to allow you to exit teletext mode, use the CANCEL key on the remote control to exit teletext mode.
3. When you have finished watching teletext, select a different channel with P /+ keys or follow the on screen instructions to return to picture.

When you switch to a digital channel with links to a telext service, software is downloaded in the background to enable the teletext function. You should wait for a while before you press the key to allow the software download to complete. If you press the key before the download is complete, there will be a short delay before the teletext screen is displayed.

While navigating the digital teletext, there is a short delay while the page downloads. A prompt or message is often seen on the page to let you know the progress.

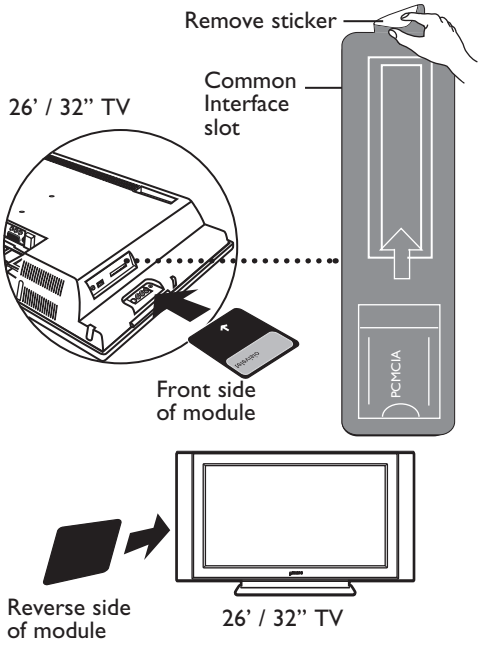
Analogue teletext in Digital mode

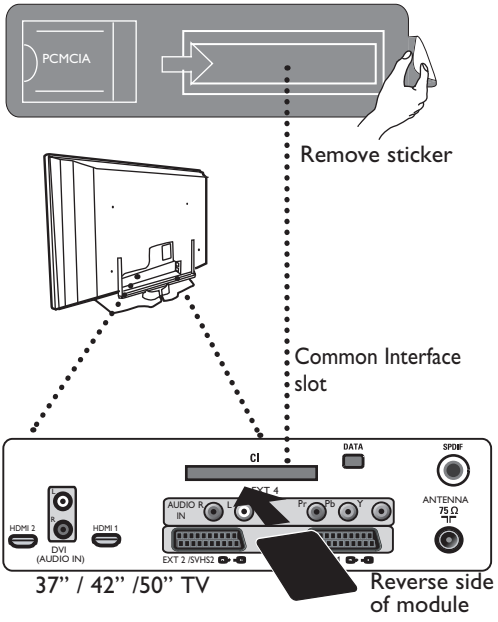
Available in all countries

If you see an icon TXT on a digital channel without digital telextext services, it indicates Analogue Teletext is available in Digital mode. Press the key to access Analogue teletext. To use Analogue Teletext functions, see page 27 and 28.

Using the Conditional Access Module (CAM)

The **Conditional Access Module** (CAM) menu provides access to functions contained on the CAM. The module can be inserted into the Common Interface (CI) slot located at the side of the 26"/32" TV and at the rear bottom of the 37"/42"/50" TV. Remove the sticker before inserting module.





IMPORTANT
Always switch the TV off before inserting or removing the module.

Inserting the CAM

1. Switch off the TV.
2. Some modules come with a viewing card. When using this type of module, first insert the viewing card into the module. Ensure that the arrow on the viewing card faces the arrow of the module before inserting into the module slot.
3. Insert the module into the Common Interface (CI) slot on the TV. If you are inserting the module from the rear of the TV (26"/32"), the arrow indicated on top side of the card should be facing you. If you are inserting the module from the front of the TV screen (26"/32"), the reverse side of the module (without the arrow) should be facing you. For 37"/42'/50" TV, if you inserting the module from behind of the TV, the reverse side of the module (without the arrow) should be facing you.
4. Switch on the TV.
5. Press the MENU DIGITAL key to switch the TV to Digital mode, move to the Access Restrictions menu, the Conditional Access Module menu is displayed as the last item in the list.
6. Access the Conditional Access Module menu.
7. Press OK button as indicated on the screen to access the CAM's functions.

   If no module is inserted, or the module is not inserted properly, the Conditional Access Module menu will not be displayed.
   (If you have inserted a module, check that it is fully inserted in the correct manner as mentioned in step 3 above)

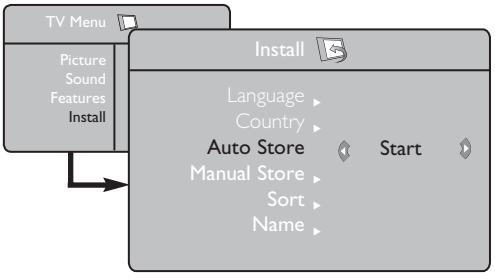
   The functions that now appear on screen are dependent on the contents of the selected Conditional Access Module in your country. Refer to the instruction supplied with the module or contact the vendor.

Automatic tuning of analogue programmes

This menu allows you to automatically search for all the analogue programmes available in your region.

Before you automatically search for all the analogue programmes, ensure the TV is in analogue mode. If it is in digital mode, press the A/D (Analogue / Digital) key to enter the analogue mode.

1. From the analogue mode, press the TV MENU key.
2. Using the ▼ key, select **Install** and the ► / OK key to enter the **Install** menu.
3. Using the ▼ key, select **Auto Store** and the ► / OK key to start automatic searching of the channels. All the available TV programmes will be stored. This operation takes a few minutes. The display shows the progress of the search and the number of programmes found.



Important : To exit or interrupt the search before it is completed, press the MENU TV key.
If you interrupt search during auto store, not all channels will be stored. For all channels to be stored, you need to do a complete auto store search again.

NOTE

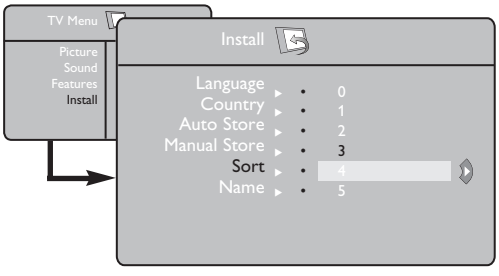
ATS (Automatic Tuning System) feature
If the transmitter or cable network sends the automatic sort signal, the programmes will be numbered correctly. In this case, the installation is complete. If this is not the case, you need to use the **Sort** menu to number the programmes correctly.

ACI (Automatic Channel Installation) feature
If a cable system or a TV channel which broadcasts ACI is detected, a programme list appears. Without ACI broadcast, the channels are numbered according to your language and country selection. You can use the Sort menu to renumber them.

You cannot select **Language** or **Country** in Analogue mode. If you want to select **Language** or **Country**, you have to exit Analogue mode and enter into Digital mode to do so (refer to "**Language and location preferences**" on page 13).

Program Sort

1. Press the TV MENU key. The **TV Menu** is displayed on the screen.



2. Use the ▼ key, select the **Install** menu and the ► / OK key to enter the **Install** menu.
3. Use the ▼ key to select **Sort** and the ► / OK key to enter sort mode.
4. Select the programme number you want to move using the ▲ ▼ keys and the ► / OK key to enter sorting mode (The arrow cursor now points to the left).
5. Use the ▲ ▼ keys to select the new programme number and confirm with the ◄ / OK key. (The arrow points to the right and sorting is completed).
6. Repeat steps 4 and 5 for each programme number you wish to re-number.
7. To return to previous menu, press the TV MENU key.
8. To exit the menu, press the key.

Manual tuning of analogue programmes

This menu is used to store the programmes one at a time.

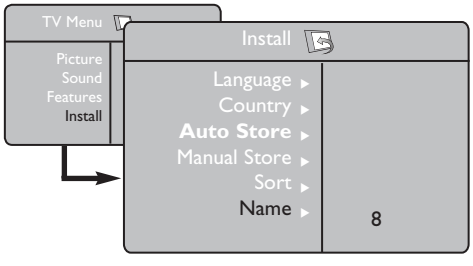
1. Press the TV MENU key.
2. With the ▼ key, select **Install** and the ► / OK key to enter the **Install** menu.
3. Use the ▼ key to select **Manual Store** and the ► / OK key to enter Manual Store menu.
4. Use the ▲ ▼ keys to select the items in the Manual Store menu to adjust or activate.
5. **System :** Use the ◄ ► keys to select
   Europe (automatic detection*) or
   France (LL' standard) or
   UK (I standard),
   West Europe (BG standard),
   East Europe (DK standard). or
   ** Except for France (LL' standard), you must select* **France**.

6. **Search** :
   Press the ► / OK key. The search starts. Once a programme is found, the scanning stops and its name is displayed (if available). Go to the next step. If you know the frequency of the required programme, this can be entered directly using the 0 to 9 keys.
   If no picture is found, see "Troubleshooting Tips" on page 31.
7. **Program No.** :
   Enter the required number with the 0 to 9 or ◄ ► keys.
8. **Fine Tune** :
   If the reception is not satisfactory, adjust using the ◄ ► keys.
9. **Store** :
   To store the changes, press ► / OK key . The programme is now stored.
10. Repeat steps 6 to 9 for each programme to be stored.
11. To return to previous menu, press the TV MENU key.
12. To exit the menu, press the i+ key.

Naming of Channel

If required, you can give a name to the TV channel.

1. Press the TV MENU key.
2. With the ▼ key, select **Install** and the ► / OK key to enter the **Install** menu.



3. Use the ▼ key to select **Name** and the ► key to enter name mode.
4. Use the ▲ ▼ keys to select the programme you want to name and the ► / OK key to enter naming mode.
5. Use the ▲ ▼ keys to select the characters (maximum of 5 characters) and use the ◄ ► keys to move around the name display area.
6. Press ► / OK key until the name appears at the top right hand corner of the TV screen. The name is now stored.

Using the Contrast+ and NR (Noise Reduction) features

1. Press the TV MENU key.
2. With the ▼ key, select **Features** and the ► / OK key to enter the **Features** menu.
3. Use the ▲ ▼ keys to select **Contrast+** or **NR** (Noise Reduction) and the ◄ ► keys to select an **On** or **Off** option.
4. To return to previous menu, press the TV MENU key.
5. To exit the menu, press the i+ key.

Definition of the feature settings

Contrast+ :
– optimise the total contrast of the picture for improved picture visibility.
– select **On** option to activate feature.

NR (Noise Reduction) :
– improves "noisy" picture (little dots on picture) due to weak signal transmission.
– select **On** option to activate feature.

Using the Sleeptimer Feature

Sleep feature allows you to select a ***time period** in which the set will switch to standby mode automatically upon reaching the selected time period. Select **Off** option to deactivate feature.

1. Press the TV MENU key.
2. With the ▼ key, select **Features** and the ► / OK key to enter the **Features** menu.
3. Use the ◄ ► key to select a time period.
4. To return to previous menu, press the TV MENU key.
5. To exit the menu, press the i+ key.

*** time period**
• 15, 30, 45 or 60 minutes.

OR

• 90 or 120 minutes

OR

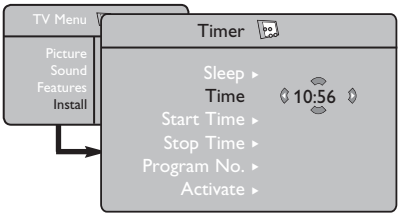
• 180 or 240 minutes

NOTE : During the last minute of a Sleep time setting, an on-screen countdown will be displayed. Pressing any button on the remote control will cancel the Sleep feature.

Timer function

This menu lets you use the TV set as an alarm.

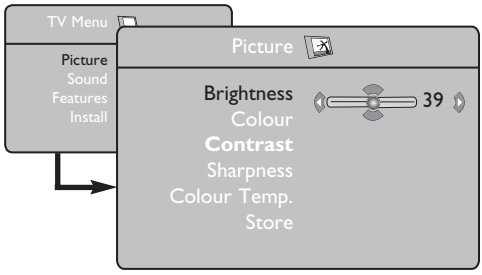
1. Press the TV MENU key.
2. With the ▼ key, select the **Features** menu then **Timer** :
3. **Sleep**: to select an automatic standby period.

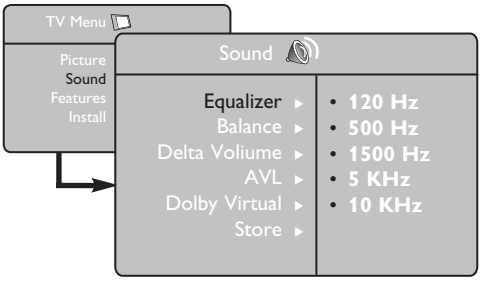


4. **Time**: enter the current time.
   Note: the time is updated automatically each time the TV set is switched on via the teletext information on programme 1. If this programme does not have teletext, the update will not take place.
5. **Start Time**: enter the start time.
6. **Stop Time**: enter the standby time.
7. **Program No.**: enter the number of the programme for the wake-up alarm.
8. **Activate**: the settings include:
   - **Once** for a single alarm,
   - **Daily** for each day,
   - **Off** to cancel.
9. Press ⏻ to put the TV set in standby. It will automatically come on at the time programmed.
   If you leave the TV set on, it will just change programmes at the time entered (and will go to standby mode at the Stop Time).

Picture and Sound Settings

1. Press the TV MENU key.
2. Use the ▲ ▼ key to select **Picture** or **Sound**.
3. Use the ◄ ► / OK key to enter **Picture** or **Sound** menu.





4. Use the ▲ ▼ keys to select a **Picture** or **Sound** setting and the ◄ ► key to adjust.
5. To return to previous menu, press the TV MENU key.
6. To exit the menu, press the i+ key.

Description of the Picture settings

Brightness : this changes picture brilliance.

Colour : this changes the intensity of the colour.

Contrast : this changes the difference between the light and dark tones.

Sharpness : this increases or decreases the sharpness level to improve details in the picture.

Colour Temp. : this changes the colour rendering: Cool (bluer), Normal (balanced) or Warm (redder).

Store : to store the picture adjustments and settings.

Description of the Sound settings

Equalizer : to adjust the sound tone (from bass: 120 Hz to treble : 10 KHz).

Balance : this balances the sound on the left and right speakers.

Delta Volume : this is used to compensate any volume differences between the different programmes or EXT sockets. **Note** : Programmes 0 to 40 have individual volume setting and programmes 41 and above share common setting.

AVL (Automatic Volume Leveller) : this is used to limit sudden increases in sound, especially on programme change or advertising slots.

Dolby Virtual : To activate / deactivate the surround sound effect.
You can also access these settings with the ⊡ *key.*

Store : this is used to store the sound settings.

Using the PIP (Picture-in-Picture) Feature

The **PIP** (Picture-in-Picture) feature allows you to call up a PIP screen of the **PC** (Personal Computer) or **HD** (High Defintion) device while watching a TV programme.

IMPORTANT

To call up a **PIP** screen of the **PC** equipment, the following step must be taken :

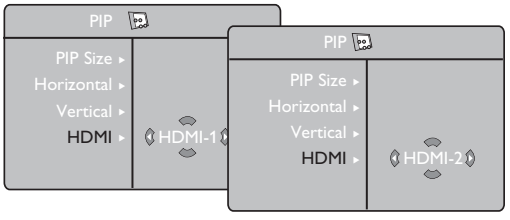
HDMI 1 or **HDMI 2** input **MUST** be connected to the **DVI** output of the **PC** equipment. Use a HDMI to DVI adaptor cable to do the connection.

To call up a **PIP** screen of the **HD** equipment, the following steps must be taken :

HDMI 1 or **HDMI 2** input **MUST** be connected to the **HDMI** output of the **HD** equipment.

NOTE

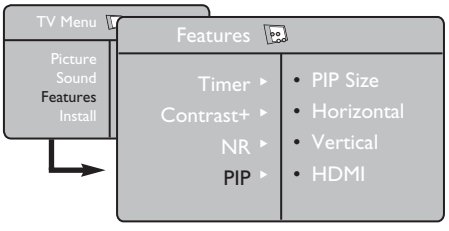
- While you are watching TV programmes, you can only call up a PIP screen from only one source.
- Go to the PIP menu and select **HDMI**. See below on how to access the PIP menu.
- Select **HDMI 1** or **HDMI 2** depending on connection.



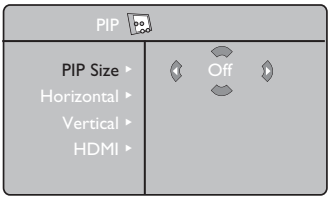
Accessing the PIP screen via the PIP menu

Note : This is only possible when PIP signal is detected.

1. Press the TV MENU key to display main menu.
2. With the ▲ ▼ key, select **Features** and the ► / OK key to enter the **Features** menu.



3. Use the ▲ ▼ keys to select **PIP**
4. Use the ► key to enter **PIP** menu.



5. Use the ▲ ▼ keys to select **PIP** menu items.
6. Use the ◄ ► ▲ ▼ keys to access the **PIP** menu items, make the following adjustments or options.
6. To exit the PIP screen, select **PIP Size**. followed by the **Off** option.

Definitions of PIP items

PIP Size : Select your PIP size (**Off, Small, Medium, Large** and **Side-by-Side**).

Horizontal : Move the PIP screen horizontally from left to right and vice-versa.

Vertical : Move the PIP screen vertically from top to bottom and vice-versa.

HDMI : If **HDMI 1** or **HDMI 2** are both connected, you can only select one source, **HDMI 1** or **HDMI 2**.

Accessing the PIP screen via the PIP key

1. Press the ⧉ key on the remote control to display PIP screen. A small PIP screen will appear on the TV screen.
2. Press the ⧉ key a second time to change the small PIP screen to a medium PIP screen size. Press the
3. Press the ⧉ key a third time to change the medium PIP screen to large PIP screen size.
4. Press the ⧉ key a fourth time to change the large PIP screen to a Side-by-Side (a TV screen on one side and the PIP screen on the other side).
5. Press the ⧉ key a fifth time exit PIP screen.

NOTE

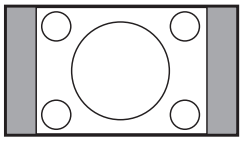
For more details on connections to the PC and HD equipment, see CONNECTION GUIDE.

Screen Formats

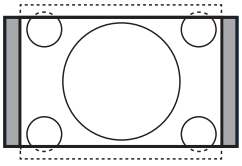
The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen). 4:3 pictures sometimes have a black band at the left and right of the screen (letterbox format). This function allows you to optimise the picture display on screen.

If your televison is equipped with a 16:9 screen

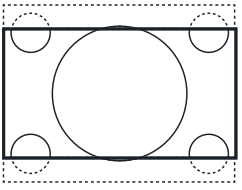
Press the ⊡ key (or ◄ ►) to select the different modes. This TV set is also equipped with automatic switching which will select the correct-screen format, provided the specific signals are transmitted with the programmes.



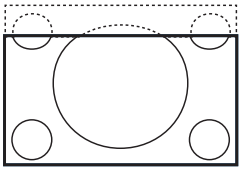
4:3
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.



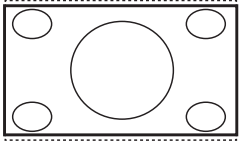
Movie Expand 14:9
The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture.



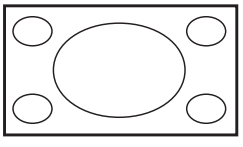
Movie Expand 16:9
The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format).



Subtitle Zoom
This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible.



Superzoom
This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture.



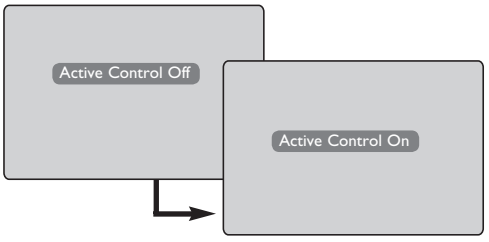
Widescreen
The picture is displayed in the correct proportions of images transmitted in 16:9.

Note: If you display a 4:3 picture in this mode, it will be enlarged horizontally.

Using the Active Control feature

Active Control feature automatically adjusts the picture setting for optimal picture quality continuously under any signal conditions.

❶ Press the ACTIVE CONTROL key repeatedly to toggle between **Active Control Off** and **Active Control On** options.



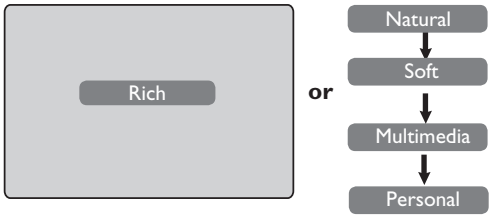
❷ Select the **Active Control On** option to activate the Active Control feature.

❸ Select the **Active Control Off** option to deactivate the Active Control feature.

Using the Smart Picture and Sound Features

Smart Picture feature offers you a choice of 5 picture settings namely : **Multimedia**, **Personal**, **Rich**, **Natural** and **Soft**.

Press the SMART button repeatedly to cycle through the settings to select your desired mode.



Definition of Picture Settings

Rich : Brilliant and sharp picture settings suitable for bright environment and for use in demonstrations to show off the quality of the TV on good sources.

Natural : Reference mode for living room conditions and average signals.

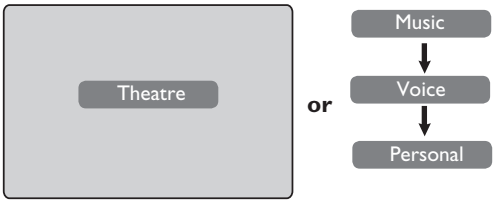
Soft : Intended for bad-quality signals. Suitable for living room viewing.

Multimedia : Best for graphical applications.

Personal : Pictures settings are set to your preference.

Smart Sound feature offers you a choice of 4 sound settings namely : **Theatre**, **Music**, **Voice**, and **Personal**.

Press the SMART button repeatedly to cycle through the settings to select your desired mode.



Definition of Sound Settings

Theatre : Emphasize sensation to action (Bass and Treble boosted).

Music : Emphasize low tone (Bass boosted).

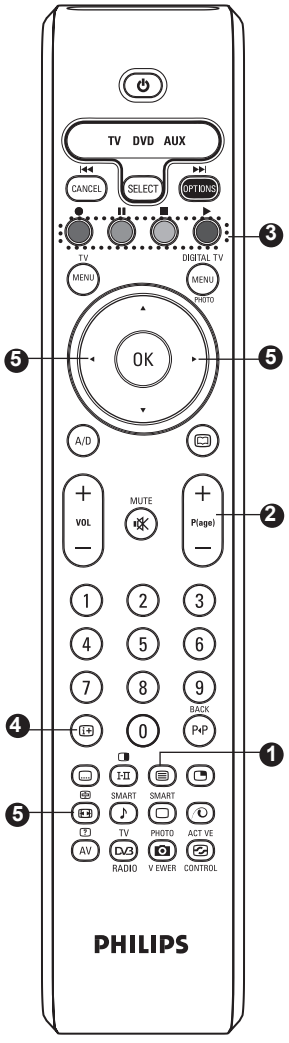
Voice : Emphasize high tone (Treble boosted).

Personal : Sound settings are set to your preference.

NOTE : The **Personal** setting is the setting that you set up using the Picture/Sound menu in the main menu. This is the only setting in the Smart Picture/Sound settings that can be changed. All other settings are pre-set at the factory.

Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).



1 Teletext call

This is used to switch on or off teletext display. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. If channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank. Proceed to exit teletext and select another channel.

2 Selecting a page

Enter the number of the page required using the **0** to **9** keys or **P –/+** keys. Example: page 120, enter **120**. The number is displayed at the top left corner of the screen. When the page is located, the counter stops searching. Repeat this operation to view another page. If the counter continues to search, this means that the page is not transmitted. Select another number.

3 Direct access to the items

Coloured areas are displayed at the bottom of the screen. The 4 colour keys are used to access the items or corresponding pages. The coloured areas flash when the item or the page is not yet available.

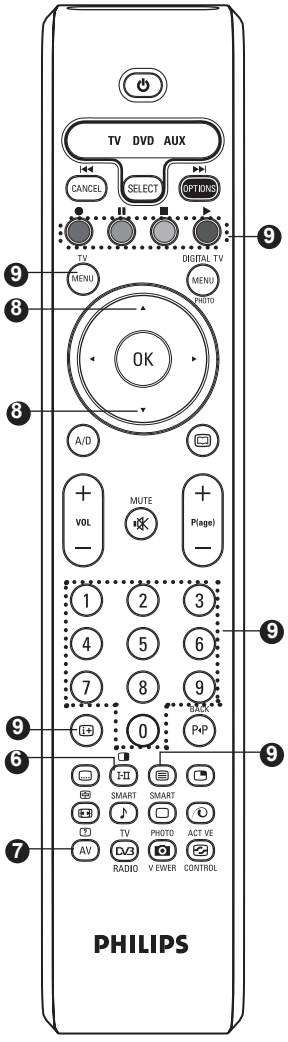
4 Contents

This returns you to the contents page (usually page 100).

5 Sub-page display

Certain pages contain sub-pages which are automatically displayed successively. This key is used to stop or resume sub-page display. The indication appears top left.

Teletext



6 Double page teletext

No Function. Not applicable.

7 Hidden information

To display or hide the concealed information (games solutions).

8 Enlarge a page

This allows you to display the top or bottom part of the page. Pressing it again will return the page to normal size.

9 Favourite pages

Instead of the standard coloured areas displayed at the bottom of the screen, you can store 4 favourite pages on the first 40 channels which can then be accessed using the coloured keys (red, green, yellow, blue). Once set, these favourite pages will become the default every time teletext is selected.

1. Press the TV MENU key to change to favourite pages mode.
2. Use the 0 / 9 keys to enter the teletext page that you want to store as a favourite page.
3. Press and hold the colour key of your choice for about 5 seconds. The page is now stored.
4. Repeat steps 2 to 3 with the other coloured keys.
5. To exit favourite page mode, press the TV MENU key.
6. To exit teletext mode, press the key.

NOTE : To clear favourite pages, press and hold key for about 5 seconds.

Using the TV as a PC Monitor

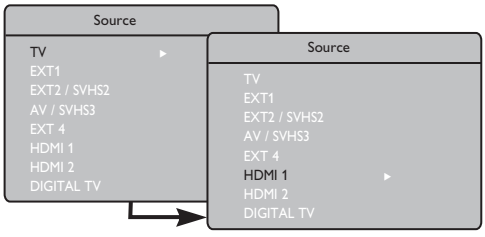
NOTE : PC connection is only available via **HDMI / DVI** connector.
VGA connection is not supported.

Your TV can be used as a computer monitor.

IMPORTANT

For the TV to function as PC monitor, the following steps must be taken :

1. **HDMI 1** or **HDMI 2** input **MUST** be connected to the DVI output of the PC. Use a DVI to HDMI adaptor to do the connection.
2. Press the (AV) key to display **Source List** and use the ▲ ▼ key to select **HDMI 1** or **HDMI 2.**
3. Use the ▶ / (OK) key to switch to the selected source.



Using the PC menus

1. Press the TV MENU key to display the PC menu.
2. Use the ▲ ▼ key to access the settings and the ◄ ► key to select or adjust setting (the settings are automatically saved):

Description Picture settings

Brightness / Contrast :
– Adjusts the brightness and contrast.

Colour Temp :
– Changes the colour rendering : **Cool** (bluer), **Normal** (balance) or **Warm** (redder).

Audio Selection :
– Chooses the sound reproduced on the TV (PC or TV).

Supported PC Resolutions

640 x 480, 60 Hz	800 x 600, 72 Hz
640 x 480, 67 Hz	800 x 600, 75 Hz
640 x 480, 72 Hz	1024 x 768, 60 Hz
640 x 480, 75 Hz	1024 x 768, 70 Hz
800 x 600, 56 Hz	1024 x 768, 75 Hz
800 x 600, 60 Hz	

Description of Features

Format :
– Chooses between full screen or native format of the PC screen.

PIP (Picture-in Picture) :
– Displays a PIP screen to watch TV programmes at the same time.

*** Mode Selection** :
– When you connect PC or HD equipment supporting resolutions of **480p, 576p** or **720p**, the **Mode Selection** in the **Features** menu will be highlighted. This will allow you to select between the PC and HD mode. If it does not support the 480p, 576p or 720p resolutions, you cannot access this function.

Using the PIP feature

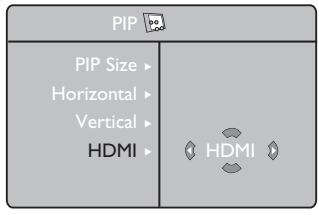
The **PIP** (Picture-in-Picture) feature allows you to call up a PIP screen of a TV programme while you are in **PC** mode.

IMPORTANT

To call up a **PIP** screen of the **TV** programme, the following step must be taken :

HDMI-1 or **HDMI-2** input **MUST** be connected to the **DVI** output of the **PC** equipment. Use a HDMI to DVI adaptor cable to do the connection.

The PIP menu items : **PIP Size, Horizontal** and **Vertical** works in exactly the same way as when calling a PIP screen in TV mode. Except for **HDMI**, there is no selection for other source.



← **No Selection**

For description of PIP menu items and how it works, refer to the section on "Using the PIP (Picture-in Picture) Feature" page 24.

NOTE
For more details on connection to the PC equipment, see CONNECTION GUIDE.

Using the TV in HD (High Definition) Mode

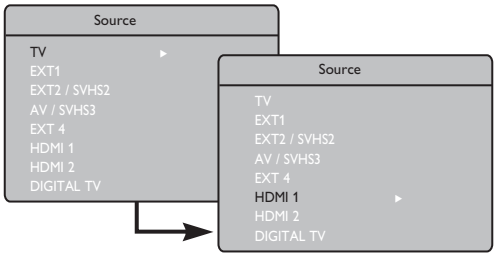
HD Mode

The HD (High Definition) mode allows you to enjoy clearer and sharper pictures if you are using a HD equipment that can transmit high definition programming.

IMPORTANT

For the TV to function in HD mode, the following steps must be taken :

1. **HDMI 1** or **HDMI 2** input **MUST** be connected to the HDMI/DVI output of the HD equipment . Use a HDMI to DVI adaptor if DVI is connected. **For more information, refer to Connection Guide**.
2. Press the (AV) key to display **Source List** and use the ▲ ▼ key to select **HDMI 1** or **HDMI 2.**
3. Use the ▶ / (OK) key to switch to the selected source.



Using the HD menus

1. Press the TV (MENU) key to display the HD menu.
2. Use the ▲ ▼ key to access the settings and the ◄ ► key to select or adjust setting.

HD Install menu

Note : You cannot access **Install** in the HD menu There is **NO Install** function in HD mode.

HD Picture and Sound settings

Functions of HD Picture and Sound settings are the same as the TV Picture and Sound settings and work in exactly the same way as the TV Picture and Sound settings (see page 23).

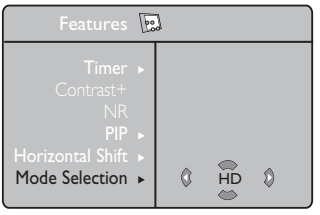
HD Features

Timer : Functions of the Sleeptimer and Timer are the same as the TV Sleeptimer and Timer functions and work in exactly the same way as the TV Sleeptimer and Timer functions (see page 22).

PIP : Display a PIP screen to watch TV programmes at the same time. The PIP menu items : **PIP Size, Horizontal** and **Vertical** work in exactly the same way as when calling a PIP screen in TV mode.
For description of PIP menu items and how it works, refer to the section on "Using the PIP (Picture-in Picture) Feature" page 24.

*** Horizontal Shift** : Adjust the horizontal position of the image.

*** Mode Selection** : When you connect PC or HD equipment supporting resolutions of **480p, 576p** or **720p**, the **Mode Selection** in the **Features** menu will be highlighted. This will allow you to select between the PC and HD mode. If it does not support the 480p, 576p or 720p resolutions, you cannot access this function.



Supported HD format

480p 576p 720p 1080i

NOTE : For more details on connection to the HD equipment, see CONNECTION GUIDE.

Your Philips TV is HDMI compliant. If you do not get a good picture, please change the video format on your device (DVD player, cable set-top box, etc.) to a standard format. For example, for DVD player, select 480p, 576p, 720p or 1080i. For PC, select 640 x 480, 800 x 600 or 1024 x 768. If the problem persists, please refer to your PC user manual on possible software upgrades to your graphics card.
Please note that this is not a defect of the TV set.

Troubleshooting Tips

Below is a list of symptoms you may encounter with your TV. Before you call for service, make these simple checks.

Symptom	Possible Causes	What you should do
No display on screen	• Faulty power supply • TV's Power not turned on	• Check whether power cord is properly connected into the mains socket and to your TV. If there is still no power, disconnect plug. Wait for 60 seconds and re-insert plug. Switch on TV again. • Press the ⏻ key on the remote control.
Poor reception (snowish picture and noise	• Faulty antenna connection • Weak transmission • Wrong TV system	• Check antenna connection at rear of TV. • Try adjusting the direction of the antenna. • Try manually adjusting your picture (refer to page 21). • Have you chosen the right TV system? (refer to page 21).
No picture	• Faulty aerial and cable • Wrong source selected	• Check whether euroconnector cables or aerial sockets are properly connected. • Check whether the source is correctly selected. Press AV button to enter Source list and select the correct source.
No sound on certain channels	• Wrong TV system	• Check whether the correct TV system is selected (refer **to** page 21).
No sound	• Zero volume level • Sound muted • Headphone is connected	• Try increasing volume. • Check that the mute (🔇) mode is not on. If mute mode is on, press the 🔇 key to deactivate mute mode. • Aim remote control directly at sensor on front of TV. • Disconnect headphone connection (only for 26"/32").
Sound interference	• Electrical appliances interference	• Try switching off any electrical appliances, for example, hairdryer, vacuum cleaner that are in use.
TV not responding to remote control	• Wrong polarity of batteries • Flat batteries	• Check polarity of the batteries. • Try changing the batteries.
Occasional appearance of red, blue, green and black spots on screen	• Characteristic of liquid crystal panel	• This symptom is not a problem. The liquid crystal panel is built with very high precision technology giving you the fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of red, blue, green or black. Note that this does not affect the performance of the set.
Intermittent or flickering picture on in HD mode	• * HDCP (see glossary) authentication failed	• Noise is displayed if the connected digital equipment's (DVD player or Set-Top box) *HDCP authentication failed. Check user manual for the digital equipment you are connecting. • Use a standard HDMI to DVI cable.
No sound or picture but front panel red light is on	• Set on standby mode	• Press the ⏻ key on the remote control.
Changing from one channel to another channel takes a long time	• Pay TV channels are encoded by the cable provider and takes a longer time to decode.	• This is normal behaviour and no action is required.

Troubleshooting Tips

Symptom	Possible Causes	What you should do
Unable to understand the language on screen to operate set	• Wrong language selected accidently	• Press the DIGITAL TV MENU key to exit menu from screen. Press the DIGITAL TV MENU key again to display menu. Press the ▼ key to select the menu **second** item on the menu and the ▶ key to enter into the next menu level. Press the ▶ key again and use the ▼ key to select the fifth menu item. Press the ▶ key enter into the next menu level. Use the ▲ ▼ keys to to select correct language. Press the OK key confirm selection. Press the DIGITAL TV MENU key to exit menu from screen
Cannot access Install menu	• AV EXTERNAL or HD mode is selected.	• Press AV key and select TV mode. You can now access Install menu by the MENU TV (analogue TV menu) key.
PC modes do not work	• Wrong connections • Wrong source selected. • Wrong display resolution • Wrong setting of PC graphic card	• Check whether connections are correct. (For more details on connection to the PC equipment, see "Connection Guide". • Check whether the source is correctly selected. Press AV button to enter Source list and select the correct source. • Check whether you have configured the computer on a compatible display resolution (see "Using your TV as PC Monitor" on page 29). • Check graphic card setting of PC.
S-Video colour becomes faint	• Wrong detection of signal	Check whether power cord is properly connected Press the **P +/–** key on the remote control and do a channel up followed by a channel down.
Black bar on top and bottom of screen in PC mode	• PC refresh rate too high	• Change PC refresh rate to 60 Hz.
Cannot access digital menu	• Still in Analogue mode	Press the A/D key to switch to Digital mode.
Some channels or no channels are found after channel	• Pay TV antenna not properly connected to **scanthe** digital equipment • Antenna wall socket may be damaged	Check connection of TV antenna to digital equipment. Check condition of antenna wall socket and replace if antenna wall socket is damaged.

Glossary

DVI (Digital Visual Interface) : A digital interface standard created by the Digital Display Working Group (DDWG) to convert analog signals into digital signals to accommodate both analog and digital monitors.

RGB signals : These are the three video signals, Red Green Blue, which make up the picture. Using these signals improves picture quality.

S-VHS signals : These are 2 separate Y/C video signals from the S-VHS and Hi-8 recording standards. The luminance signals Y (black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with standard video (VHS and 8 mm) where the Y/C signals are combined to provide only one video signal.

NICAM sound : Process by which digital sound can be transmitted.

16:9 : Refers to the ratio between the length and height of the screen. Wide screen televisions have a ratio of 16/9, conventional screen TV sets have a ratio of 4/3.

MHEG (Multimedia and Hypermedia information coding Expert Group) : provides standards for the coded representation of multimedia hypermedia information objects that are interchanged among applications and services using a variety of media. The objects define the structure of a multimedia hypermedia presentation.

HDMI (High-Definition Multimedia Interface) : Provides an uncompressed, all digital audio/video interface between the TV and any HDMI-equipped audio/video component, such as set-top box, DVD player and A/V receiver. HDMI supports enhanced or high-definition video plus two-channel digital audio.

System : Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I, and LL'. The System setting (page 24) is used to select these different standards. This is not to be confused with PAL or SECAM colour coding. PAL is used in most countries in Europe, SECAM in France, Russia and most African countries. The United States and Japan use a different system called NTSC.

HDCP (High-bandwidth Digital-Content Protection): HDCP encrypts the transmission of digital content between the video source or transmitter such as a computer, DVD player or set-top box and the digital display or receiver such as a monitor, television or projector.

PCM (Pulse Code Modulation) is a common method of storing and transmitting uncompressed digital audio. Since it is a generic format, it can be read by most audio applications—similar to the way a plain text file can be read by any word-processing program. PCM is used by Audio CDs and digital audio tapes (DATs).

AC3 (Audio Coding 3) also known as Dolby Digital is supported as optional audio standard by Digital Video Broadcast. Dolby Digtial signal adapts to the viewer's playback system, delivering the best posible sound to all viewers regardless of their equipment.

MPEG (Moving Picture Experts Group) is the nickname given to a family of International Standards used for coding audio-visual information in a digital compressed format.

Centre Frequencies Table (in KHz)

Digital Frequency Channel	Nominal Centre Frequency KHz	Digital Frequency Channel	Nominal Centre Frequency KHz
21	474 000	46	674 000
22	482 000	47	682 000
23	490 000	48	690 000
24	498 000	49	698 000
25	506 000	50	706 000
26	514 000	51	714 000
27	522 000	52	722 000
28	530 000	53	730 000
29	538 000	54	738 000
30	546 000	55	746 000
31	554 000	56	754 000
32	562 000	57	762 000
33	570 000	58	770 000
34	578 000	59	778 000
35	586 000	60	786 000
36	594 000	61	794 000
37	602 000	62	802 000
38	610 000	63	810 000
39	618 000	64	818 000
40	626 000	65	826 000
41	634 000	66	834 000
42	642 000	67	842 000
43	650 000	68	850 000
44	658 000	69	858 000
45	666 000		

Specifications

	26PF7xxxx	32PF7xxxx	37PF7xxxx	42PF7xxxx	50PF7xxxx
Panel Screen Size	660 mm (26")	800 mm (32")	940 mm (37")	1070 mm (42")	1270 mm (50")
Audio output	2 x 5 W	2 x 15 W	2 x 15 W	2 x 15 W	2 x 15 W
TV System	PAL, SECAM				
Video playback	NTSC, PAL, SECAM				
Sound System	Mono, Nicam Stereo, Virtual Dolby Surround				
Connectivity					
Rear	Antenna In 75 Ω, Scart 1, Scart 2, HDMI 1, HDMI 2, Component Video Input, SPDIF socket (37"/42"/50" TV), Common Interface slot (37"/42"/50" TV)				
Side	Audio In, Video In, S-Video In, Headphone, SPDIF socket (26"/32" TV), Common Interface slot (26"/32" TV)				
Power consumption	50 W	65 W	75 W	230 W	290 W
Standby power consumption	< 1 W	< 1 W	< 2 W	< 2 W	> 2 W
Set dimensions (with stand)					
Width	697.5 mm	935 mm	1114 mm	1249 mm	1425 mm
Depth	246.8 mm	233 mm	306 mm	306 mm	325 mm
Height	540.2 mm	558 mm	683 mm	748 mm	856 mm
Nett Weight (with stand)	13 kg	19.2 kg	25.9 kg	43 kg	57.3 kg

Specifications are subject to change without notice.
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